



In re Application of.:

[illegible]

Group Art Unit: 3735

Attorney Docket: 30811

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**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

Sir:

This is in response to the United States Patent and Trademark Office Action mailed February 18, 2009, which response is being made on or before March 18, 2009, and for which no extension of time fee is due.

RESPONSE TO RESTRICTION REQUIREMENT

In Response to the restriction requirement Applicants hereby elect:

Group I, claims 75-116 drawn to a system for measuring blood flow in an organ,

Species A1, claim 84, drawn to a system which further comprises a pacemaker operable to control a heart rate of the subject, and

Species B2, claim 79, drawn to a system in which the remaining portion of the mixed radiofrequency signal is digitized.

It is noted that claims 121 and 127 are directed to the subject matter of species B2 and A1, respectively, and belong to Group II.